



Hogeschool Zeeland University: Study on the Dutch coast

Hogeschool Zeeland (HZ) is an institution of higher professional education, also called 'Hoger Beroeps Onderwijs' (HBO). University of Professional Education is the official title in English. Higher professional education institutions in the Netherlands provide the students not only with theoretical education but also focus on the practical training for professions that require higher professional qualification. This practical component is an important part of the curriculum, which will become clear during the study tour.

Hogeschool Zeeland is a medium sized university, where about 4000 students follow our programmes. A large percentage of our student population is foreign, making HZ one of the most international Universities of professional Education in the Netherlands with a large international network of partner institutions and companies. At HZ, foreign students can choose from 7 and Dutch students from 20 programmes that lead to a Bachelor's degree. The modern HZ-building is conveniently located near the train station, and offers many facilities. Maritime programmes are organized at a beautiful location: the Vlissingen sea front!

Competence focused learning

In our HZ system of higher education we prepare our students for their professional life. Therefore we focus strongly on practical work, projects and studies in accordance with concrete topics and themes. We do this in keeping with competence-focused learning. This means that, in addition to acquiring compulsory knowledge and skills, students are working on personal qualities that they will need in their future work. This happens gradually, students are not thrown in at the deep end. For this reason we involve business people in our educational programmes and organise excursions, pay visits to companies, invite guest lecturers and adopt practical assignments.

The study tour

The study tour will focus on 3 programmes that HZ offers.

1. Water management. The aquatic Ecotechnology programme aims to educate young people to become a sustainable water manager. To meet the requirements of a professional water manager one has to acquire a broad knowledge of the characteristics of a variety of aquatic systems. After all, water resources management interacts with many spheres in society: the supply of drinking water, industrial and irrigation water, tourism, legislation and politics. Next to the Aquatic Ecotechnology programme, information will be given on *Spring*, the centre for sustainability and water of Hogeschool Zeeland. Teachers and students will present research projects; a.o. on fish farming, aquacultures, problems of (the shortage of) fresh water, the interaction of salt and fresh water, etc. For more information check the website: www.hz.nl/spring
2. Microsystems Technology. (MST) During this presentation you will get an overview of the project Microsystems Technology Centre Zeeland, the partners and the companies involved, and the activities HZ-students have developed in this area. Information will be given on MST-applications and the MST-minor as a part of the engineering programme.

3. Sustainable Short Sea Shipping As from January 2004 the new knowledge centre for sustainable short sea shipping was launched within HZ. The mission of Knowledge Centre Sustainable Short Sea Shipping (KC DSSS) is to develop and transmit knowledge about sustainability in the Short Sea sector. The purpose is to stimulate working in a sustainable way in this sector. KC DSSS strives to be a link between the maritime sector, in which ship owners, maritime suppliers, ship builders and governmental organisation operate, and with its students and faculty.
- Students of HZ conduct research activities. Over a hundred students, from different disciplines, are working in small groups on the specific project items. These students seek information and propose improvements. To assist in the process, a group of experts and a faculty is established, to co-ordinate the projects and assist the students.
- Almost thirty elements are identified, ranging from ballast water treatment, bridge layout, emissions to the environment, improved cleaning devices to replacement of propellers.

For more information check our website: www.duurzaamschip.nl

The programme

- 13.30-14.00 : Lunch at Hogeschool Zeeland
14.00-14.30 : Presentation on Sustainable Watermanagement
(interactive with students) by Mrs. Anja de Groene
14.30-15.00 : Presentation on the Microsystems Technology Centre
Zeeland by Mr. Peter van Gelderen followed by a tour to
the Microsystems Technology laboratory.
15.00-15.30 : Coffee-break
15.30 : Departure by bus to the Maritme Institute 'De Ruyter'
(HZ) located at the Vlissingen sea front.
16.00-16.45 : Presentation at the Maritime Institute 'De Ruyter' on
Sustainable Short Sea Shipping
16.45 : Return to Golden Tulip Westduin Hotel